

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Cornell Iron Works, Inc. 24 Elmwood Avenue Mountaintop, PA 18707

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Perforated Slat Steel Rolling Door up to 27'-5" Wide (50 FPS Impact)

APPROVAL DOCUMENT: Drawing No. ES-16-74-CIW, titled "27'-5" Wide 60 PSF 50 FPS Perforated Rolling Steel Door", sheets 1 through 5 of 5, dated 07/22/2015, prepared by Cornell Iron Works, Inc., signed and sealed by Joseph H. Dixon, Jr., P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, one of the 3 manufacturing addresses on drawings, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

Atrico 11/03/2015

NOA No. 15-0914.15 Expiration Date: November 12, 2020 Approval Date: November 12, 2015 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **ES-16-74-CIW**, titled "27'-5" Wide 60 PSF 50 FPS Perforated Rolling Steel Door", sheets 1 through 5 of 5, dated 07/22/2015, prepared by Cornell Iron Works, Inc., signed and sealed by Joseph H. Dixon, Jr., P.E.

B. TESTS "Submitted under NOA # 15-0914.14"

- 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per FBC, TAS 202-94
 - 5) Tensile Test per ASTM E8-08,

along with marked-up drawings and installation diagram of CP0020 Perforated Slat Roll-up Garage Doors, prepared by Architectural Testing, Inc., Test Report No. **D5148.01-109-18**, dated 06/20/2014, signed and sealed by Michael D. Stremmel, P.E.

2. Test report on Salt Spray Performance Test per ASTM B117-09 of G90 unpainted and G40 painted samples, prepared by Intertek, Test Report No. G100075502MID-002, dated 05/26/2010, signed and sealed by Rick Curkeet, P.E.

C. CALCULATIONS "Submitted under NOA # 15-0914.14"

1. Calculations prepared by Joseph H. Dixon, Jr., P.E., dated 08/10/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Private label agreement dated 08/18/2015.

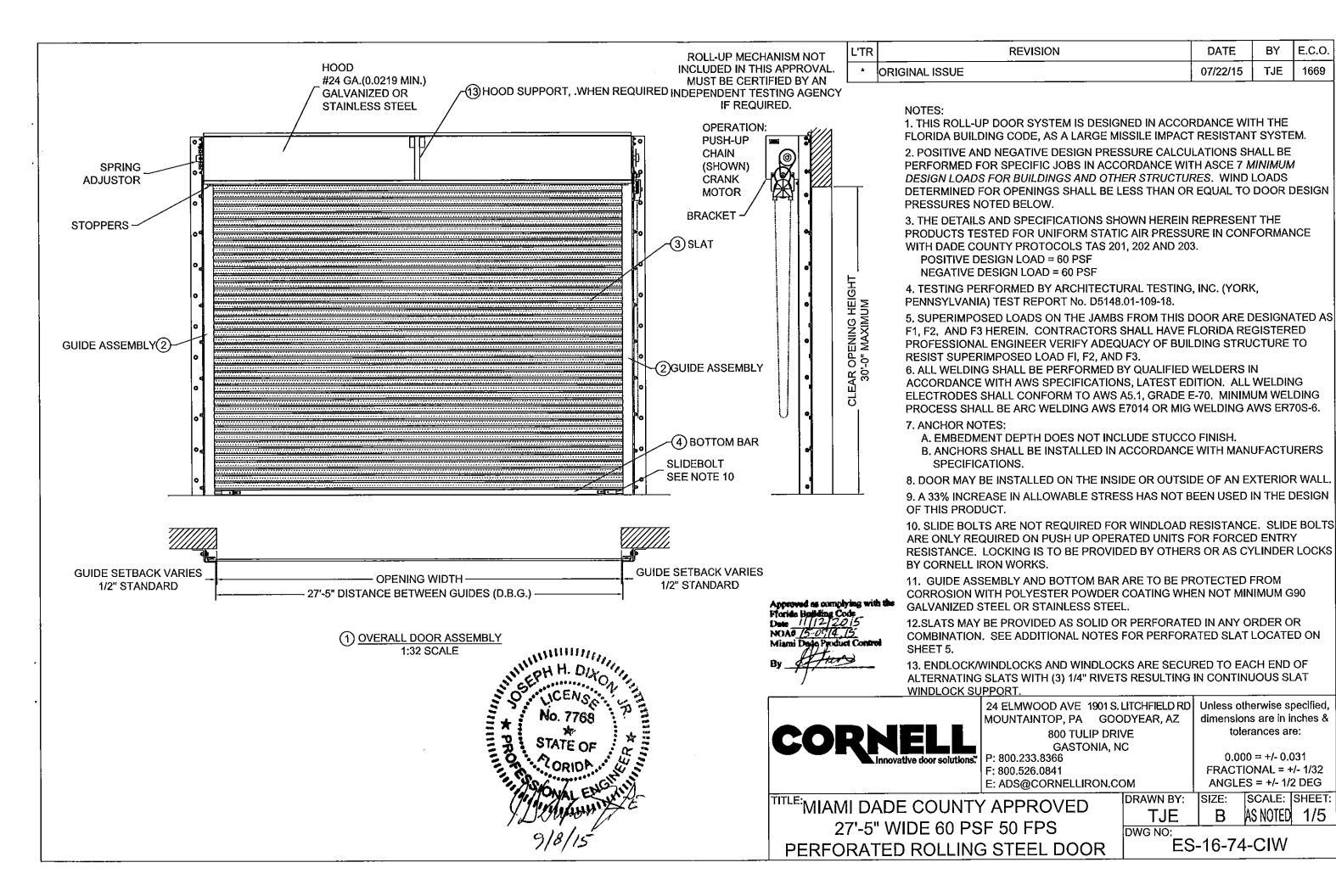
"Submitted under NOA # 15-0914.14"

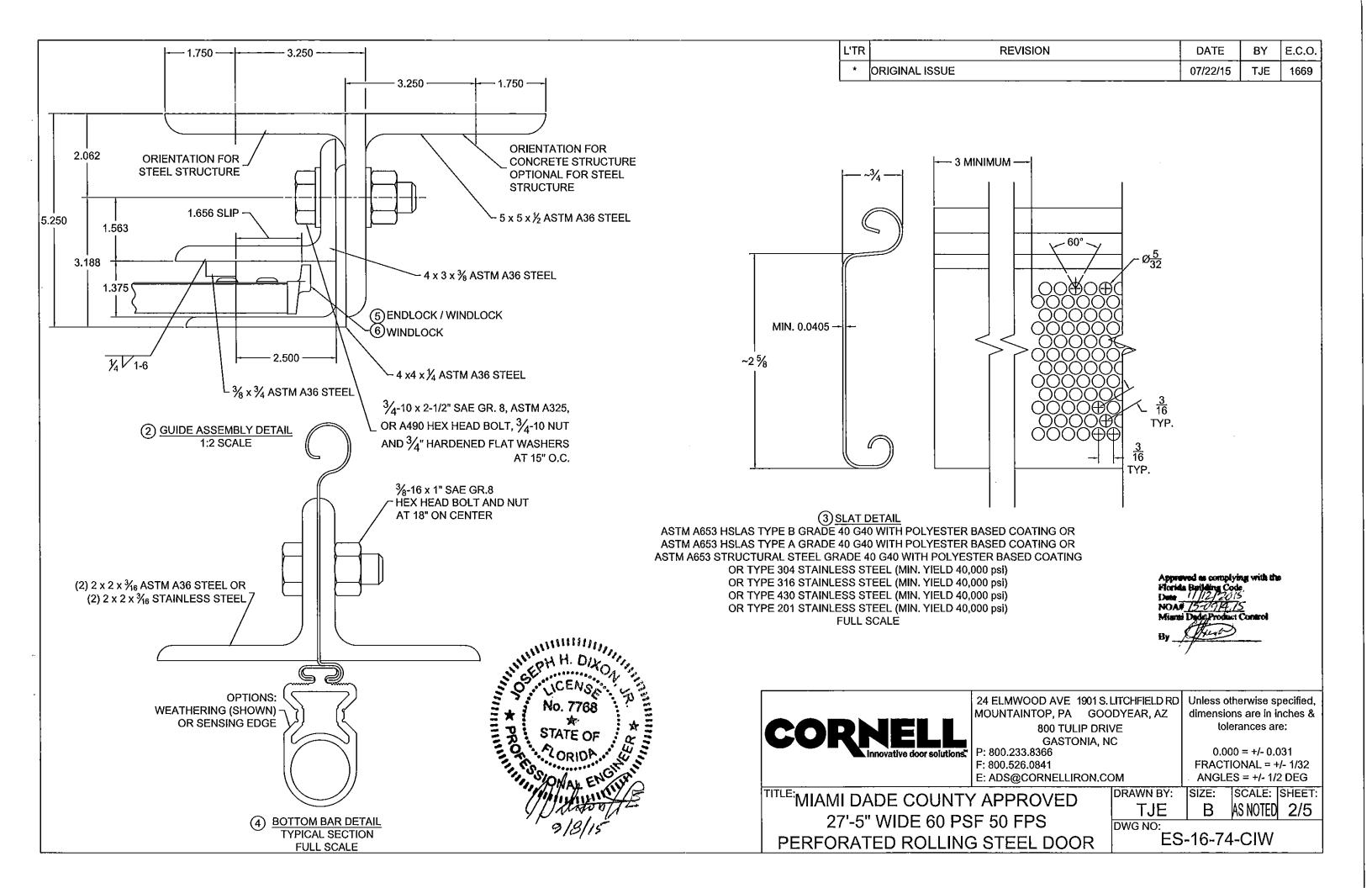
- 2. Statement letter of code conformance to the 5th edition (2014) FBC issued by Joseph H. Dixon, Jr., P.E., dated 09/08/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.
- 3. Statement letter of no financial interest issued by Joseph H. Dixon, Jr., P.E., dated 09/08/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.

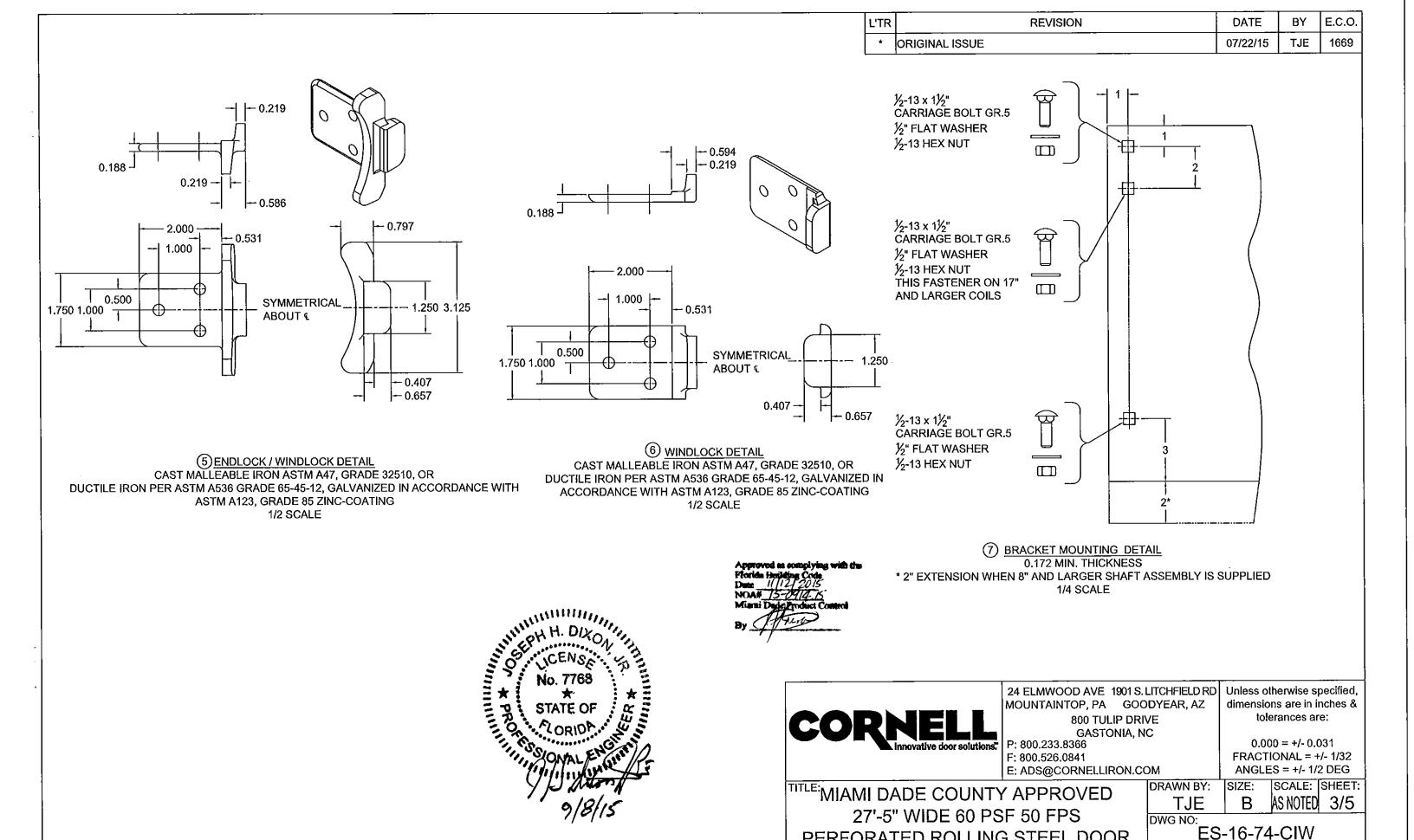
Carlos M. Utrera, P.E.

Product Control Examiner NOA No. 15-0914.15

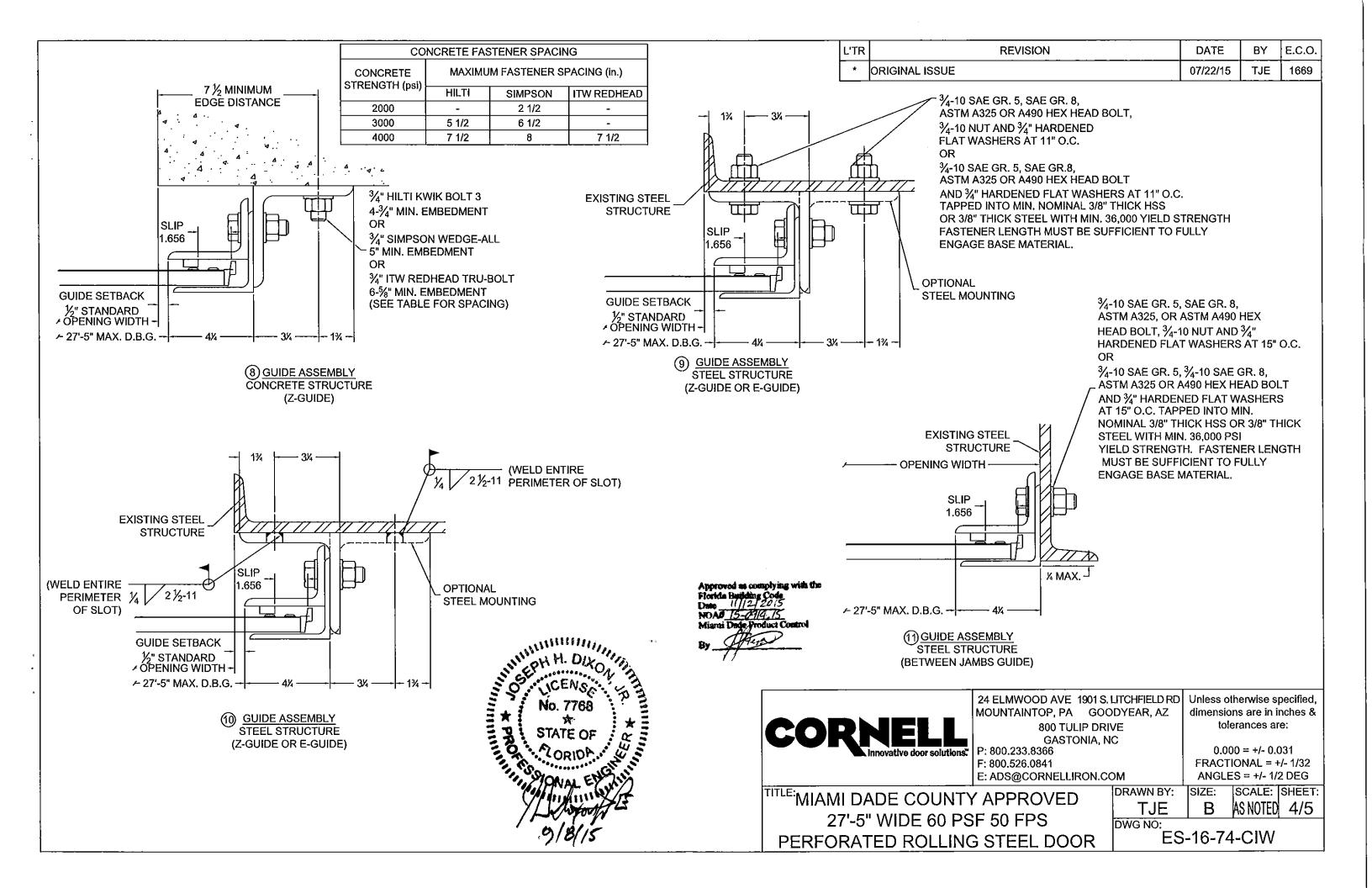
Expiration Date: November 12, 2020 Approval Date: November 12, 2015

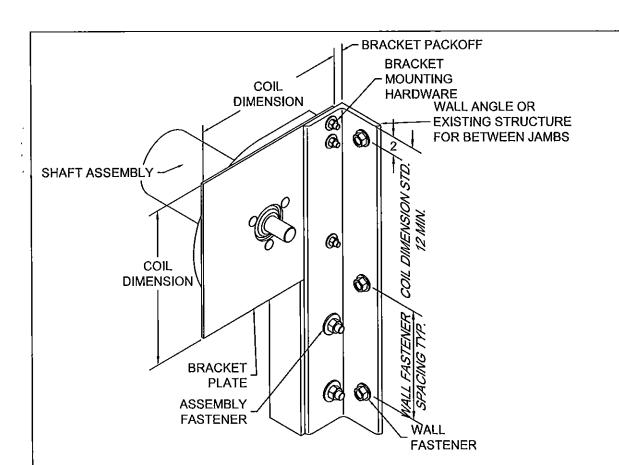






PERFORATED ROLLING STEEL DOOR



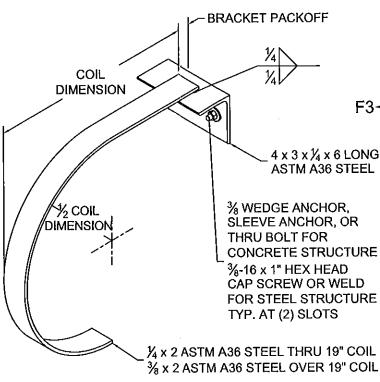


(12)BRACKET MOUNTING / TOP WALL ANGLE FASTENING BRACKET MOUNTING PER DETAIL 7 DEPICTED, OTHER BRACKET MOUNTINGS ARE AVAILABLE SCALE: NTS

BY E.C.O. DATE REVISION L'TR ORIGINAL ISSUE 07/22/15 TJE 1669 BRACKET PACKOFF

Z OR E GUIDE

F2(E)



(13) MID-HOOD SUPPORT (WHEN REQUIRED) "D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE SCALE: NTS

Approved as complying with the

UNREDUCED WIND FORCES ON **BUILDING STRUCTURE (LBS / FOOT** OF HEIGHT)

F1(Z)

		Z-Gl	JIDE		
POSITIVE			NEGATIVE		
F1	F2	F3	F1_	F2	F3
2870	2039	3291	4945	5776	3291
E-GUIDE					
POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3
7467	6636	3291	7048	7879	3291
BETWEEN JAMBS GUIDE					
POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3
6421	3130	831	14728	11437	831
DUIL DING DECICNED NOTE:					

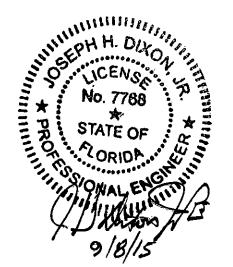
<u>BUILDING DESIGNER NOTE:</u> STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

NOTES ON OPEN AREA OF PERFORATED DOORS:

 THE PERCENTAGE OPEN AREA OF A PERFORATED SLAT IS 48% 2. IF A DOOR IS PROVIDED WITH A MIXTURE OF PERFORATED AND SOLID SLATS, USE THE FOLLOWING EQUATION TO DETERMINE THE NET PERCENTAGE OPEN AREA OF THE DOOR.

(# OF PERFORATED SLATS / TOTAL NUMBER OF SLATS) * 48% WHERE

TOTAL NUMBER OF SLATS = OPENING HEIGHT / 2.77. OPENING HEIGHT IS TO BE IN INCHES AND THE TOTAL NUMBER OF SLAT IS TO BE ROUNDED UP TO THE NEAREST WHOLE NUMBER. 3. THE ENCLOSURE CLASSIFICATION OF THE BUILDING SHALL BE EVALUATED CONSIDERING THE PERCENTAGE OPEN AREA OF THE PERFORATED DOOR USING THE APPLICABLE BUILDING CODE.



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Unless otherwise specified, dimensions are in inches & tolerances are:

F3

BETWEEN JAMBS GUIDE

 $0.000 = \pm /-0.031$ FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

TITLE:MIAMI DADE COUNTY APPROVED 27'-5" WIDE 60 PSF 50 FPS PERFORATED ROLLING STEEL DOOR DRAWN BY: SIZE: SCALE: SHEET TJE AS NOTED 5/5 DWG NO:

ES-16-74-CIW